

1. [JP,06-206809,A  
\(1994\)](#)
2. [JP,2003-231619,A  
JP,11-349450,A  
\(1999\)](#)

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## PATENT ABSTRACTS OF JAPAN

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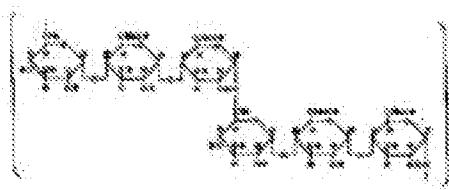
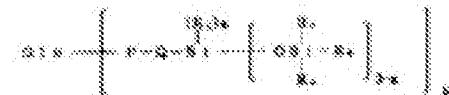
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(21)Application number : **10-151538** (71) Applicant : **SHISEIDO CO LTD**  
(22)Date of filing : **01.06.1998** (72) Inventor : **MIYAZAWA KAZUYUKI HARIKI TOSHI**

### (54) HAIR COSMETIC

(57)Abstract:  
PROBLEM TO BE SOLVED: To obtain a hair cosmetic with high styling sustainable effect, capable of improving the hand touch so as to be highly smooth, by formulating a specific silicone-modified polysaccharide compound.

SOLUTION: This hair cosmetic is obtained by formulating pref. 0.2-10 wt.% of a silicone-modified polysaccharide of formula I [Glu is a saccharide residue; P is a bivalent linkage group; Q is a bivalent



II

aliphatic group; R1 is a 1-8C univalent organic group; R2 to R4 are each a 1-8C univalent organic group or siloxy group of the formula OSi<sub>5</sub>R<sub>6</sub>R<sub>7</sub> (R5 to R7 are each a 1-8C univalent organic group); (a) is 0-2; (b) is a positive integer], pref. a silicone-modified pullulan of formula II {B is H or a group of the formula CONH(CH<sub>2</sub>)<sub>3</sub>Si[OSi(CH<sub>3</sub>)<sub>3</sub>, its substitution degree being 0.5-2.5; (c) is 100-20,000}, and pref. furthermore a pigment (e.g. azo-based pigment) and/or acid dye (e.g. Red No.3).

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(54)【発明の名称】 毛髪化粧料

















